

## IN THE CLAIMS

Please amend the claims as follows:

1. through 23. (Previously canceled)

24. (Currently amended) A method comprising:

forming an a plurality of antenna beam patterns, each of the antenna beam patterns being directed to a different pattern to communicate with a single user to the exclusion of all other users;

determining a statistic for each of the different users using a control signal from the user;  
and

narrowing each of utilizing the statistic to narrow the antenna beam patterns based solely on the statistic of the user to which each of such antenna beam patterns is respectively directed pattern.

25. (Currently amended) The method of claim 24 further comprising storing the antenna beam patterns pattern.

26. (Currently amended) The method of claim 24 wherein ~~the statistic is utilized to narrow~~ each of the antenna beam patterns is narrowed pattern through a dithering algorithm.

27. (Currently amended) The method of claim 24 wherein the statistic of one of the different users is determined from control signal comprises a power control signal from said one of the different users.

28. (Currently amended) The method of claim 24 wherein the statistic of one of the different users is determined from control signal comprises a data rate control signal from said one of the different users.

29. (Currently amended) The method of claim 24 wherein the statistic of one of the different users comprises an average of a the control signal over a specified interval of time from said one of the different users.

30. (Currently amended) The method of claim 24 wherein the statistic of one of the different users comprises a running average of ~~a the~~ control signal from said one of the different users.

31. (Currently amended) The method of claim 24 wherein the statistic of one of the different users comprises a weighted average of ~~a the~~ control signal from said one of the different users.

32. (Currently amended) The method of claim 24 wherein the antenna beam patterns ~~are pattern~~ is formed using an adaptive antenna array.

33. (Currently amended) The method of claim 24 further comprising communicating with one of the different users ~~wherein the communication signal is sent~~ over a forward link of a wireless communication system using the antenna beam pattern directed thereto.

34. (Previously presented) The method of claim 33 wherein the wireless communication system comprises a wideband code division multiple access communication system.

35. (Currently amended) A system comprising:

an antenna configured to generate ~~an~~ a plurality of antenna beams, each of the antenna beams being directed to a different ~~beam pattern to communicate with a single user to the exclusion of all other users;~~

~~a control signal monitoring module configured to access a control signal from the user;~~

a signal statistic computation module configured to determine a statistic for each of the different users ~~from a sequence of monitored signals output by the signal monitoring module;~~  
and

an antenna beam pattern optimizing module configured to ~~utilize the statistic to narrow~~ each of the antenna beam patterns ~~pattern~~ based solely on the statistic of the user to which each of such antenna beam patters is respectively directed.

36. (Currently amended) The system of claim 35 wherein the antenna comprises an adaptive antenna array module configured to output and direct each of the antenna beam patterns ~~pattern~~ to its respective ~~the single~~ user.

37. (Currently amended) The system of claim 35 further comprising an antenna beam pattern storing module configured to store the antenna beam patterns ~~pattern~~.

38. (Currently amended) The system of claim 35 wherein the antenna beam pattern optimizing module uses a dithering algorithm to narrow the antenna beam patterns ~~pattern~~.

39. (Currently amended) The system of claim 35 further comprising a control signal monitoring module configured to receive a control signal from each of the different users, wherein the control signal from one of the different users comprises a power control signal.

40. (Currently amended) The system of claim 35 further comprising a control signal monitoring module configured to receive a control signal from each of the different users, wherein the control signal from one of the different users comprises a data rate control signal.

41. (Currently amended) The system of claim 35 wherein the statistic of one of the different users comprises an average of a ~~the~~ sequence of monitored signals over a specified interval of time from said one of the different users.

42. (Currently amended) The system of claim 35 wherein the statistic of one of the different users comprises a running average of a ~~the~~ sequence of monitored signals from said one of the different users.

43. (Currently amended) The system of claim 35 wherein the statistic of one of the different users comprises a weighted average of a ~~the~~ sequence of monitored signals from said one of the different users.

44. (Currently amended) The system of claim 35 wherein each of the antenna beam patterns is capable of supporting the communication signal is sent over a forward link communications in ~~of~~ a wireless communication system.

45. (Previously presented) The system of claim 44 wherein the wireless communication system comprises a wideband code division multiple access communication system.